

## LAS Report

alcor1.las(CWLS log ASCII Standard -VERSION 2.0)

## LAS well

### 1987年	mnemonic	descr	unit	value
**********************************				
### PAPER   FEP OPPIN   F.   935%   FET OWN   FET OWN   935%   FET OWN   9454			•	
MULL			-	
## 1			F	
DOS				
STOCK   CONTINUED CONTIN				Alcor
DECON	DOE	DOE NUMBER		
PRINT	SRVC	CONTRACTOR		Nabors
Marco	DCON	DIRECTNL CONTR		Spery Drilling Services
Medical   Medi	PROV	PROVINCE		Alaska
### ### ### ### ### ### ### ### ### #	STAT	STATE NAME		Alaska
1979	REGN	REGION		US Northern
1979	MWDS	MWD SHOP		Prudhoe Bay
SEM   CR   TIDENT RAME	CTRY	COUNTRY NAME		
RG         HIS MADE         ABASE LOCATION         ABASE ABASE           MBSE         COUNTY NAME         ABASE ABASE ABASE ABASE AS ABASE				
MASP				
DIT				
UNIT         LOGAMA EQUIPINOTION         15         154-17-19           PRINT         PRINT PATURA         1         154-17-19           PORT         PRINT MEM         1         152-04-14 And 72           STIM         STANT TABLE         1         152-04-14 And 72           STIM         STANT TABLE         1         152-04-14 And 72           STOR         CHANCE         1         152-04-14 And 72           STOR         SUPPLY DEED         2         3-9-9-9           STOR         CHANTERS BEG         2         3-9-9-9           FEDER         CHANTERS BEG         3-9-9-9         12-12-14           COME         CHANTERS BEG         3-9-9-9         12-12-14           COME         CHANTERS BEG         3-9-9-9         12-12-14           COME         CHANTERS BEG         3-9-9         12-12-14           COME         CHANTERS BEG         3-9-9         12-12-14           COME         CHANTERS BEG         3-9-9         12-12-14           COMBINITION         CHANTERS BEG         3-9-9         12-12-14           COMBINITION         CHANTERS BEG         3-9-9         12-12-14           COMBINITION         CHANTERS BEG         3-9-9         12				
### 1				
PETAMORE				
DIFI         DRILL MASS REOW         DIT 100 44 Hours 12         100 Hours 12				
STMT         TIME         1 10.20.4 19-bu-12           DRE         NO TIME         10.20.4 09-bu-12           DROD         ORILL MOD DESC         DIN Model           SWD         SURVEY INESC         Survey           LITO         NITER LITE DESC         Farry Intelligent           WELL         WELL MANE         Aber 1           ORIP         COMPANY         Company           WELL MANE         Aber 1           ORIP         COMPANY         Company           WELL MANE         Aber 1           ORIP         COMPANY         Company           ORIP				
DATE	DMF			
MADD   MILEMEN   MILEME	STIM			
SVYC         SUMOVY DESC         Sumovy           IITT         NORM TOPS DESC         Immonly           FIDP         FORM TOPS DESC         Formation loss           COMP         COMMANY         Immonly           COMP         COMMANY         Immonly           CODE         GOD COMBRIDESC         MACCAGAGAGASA           GOS         GOD CORDEROS         Immonly           GUE         GOD CORDEROS         Immonly           MIDD         ANA DATA DATE         Immonly           MIDD         MACRATA SOUGE         Immonly           LUCR         LUCHOUL         Immonly           MIDD         ANA DATA SOUGE         Immonly           API         ANA DATA SOUGE         Immonly           API         ANA DATA SOUGE         Immonly           API         API         ANA DATA SOUGE         Immonly      <	DATE	END TIME		10.03.44 09-Aug-12
LITD         MEGR NUTS BEGS         Lindougy           FFF FFF         FORM NUTS BEGS         Formation tops           WELL         WELL VAME         A AND 1           COMP         COMPANY         ACANOLOGUESSS-98           SON         JOS NUMBER         ACANOLOGUESSS-98           GGEV         GEO COURD DESC         Centre Lange, Begress, -180 => +180           GGEV         GEO GERFERING         Bilgard World Geodes System           MINDL         MAD DATA DATE         15 June, -812           MIDL         MAD DATA SQUICE         Win Regular           LUT         LURDOUF         Leatus-scriptuse           LUR         LURDOUF         Leatus-scriptuse           LUR         LURDOUF         Leatus-scriptuse           LUR         LURDOUF         Leatus-scriptuse           LUR         LURDOUF         PARTA           LUR         LURDOUF         PARTA           LUR         LUR LUR LUR LUR LUR LUR LUR LUR LUR LUR	DMOD	DRILL MOD DESC		Drill Model
FICH         PORM TORS DESC         Formation Expension           WELL         WELL NAME         Acceptable           COMP         COMPANY         Gener Description           SCD         COM PANAY         Gener Description           GCD         GEO COMPO DESC         Gener Labitomy, Durgers, 180 ===+180           GEO         GEO GRID STY         LL           GREF         GEO GREFERINGE         Selegation           MINGL         MAND EXTRA MODEL         Selegation           MINGL         MAND DAYS DURGE         Selegation           MINGL         MAND DAYS DURGE         Selegation           LL GROUP         Interest May Durger         Selegation           API         AN INLEGER         Selegation	SVYD	SURVEY DESC		Survey
FOP NOTE OF DESC         Formation Toge           WILL         WILL NAME         Accordance           COMP         COMPANY         Common Common Lucion           COME         COMPANY         Common Lucions, Departmentur, LCC           CODE         GEO CORDORDERS         LL         Common Lucions, Departmentur, 188 ==>+180           COSC         GEO CORDERS         LL         Light Modern Senders System           MINDL         MAG DETA FORT         1         Subreal, 2012           MINDL         MAG DETA DOTE         1         Subreal, 2012           MINDL         MAG DATA DOTE         1         Subreal, 2012           MINDL         LL GROUP         1         Subreal, 2012           LL GROUP         1         Subreal, 2012         Common System           LL GROUP         1         Subreal, 2012         Common System           LL GROUP         1         Subreal, 2012         Common System           MED         1         Light Magner         1         1           LL GROUP         1         1         1         1           LL GROUP         1         1         1         1           LL CATTIOL         2         1         1         1 <td>ILTD</td> <td>INTERP LTH DESC</td> <td></td> <td>Lithology</td>	ILTD	INTERP LTH DESC		Lithology
WILLIA MME         Abort 1           COMPA         Grout Beer Petroleurn, LLG           COMPA         GROUT GER           GDE         GGO COORD DESC         General Laborgs, Degrees, +180 ses ++180           GREY         GGO ORD DESC         LL           GREY         GGO ORD DESC         Ellipsook World Gacdeds System           GREY         GGO ORD DESC         Ellipsook World Gacdeds System           MICO         MAG DATA SOURCE         15 Jane, 2012           MICO         MAG DATA SOURCE         1 Interest of Laboration of L	FTOP			
COMM         COMMANY         Great Bear Percount LLC           SON         JOB BUMBER         AXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX	WELL			
SON         JOS DOURDES         4 AXX-X-00088248 (B) B)           GOS         GEO DOLOS DESO         4 B           GOSEPER         GEO DEPERSINCE         Bigmort Mid Goudnic System           MEDIA         MARCHET ONOFEL         1 bigmort Mid Goudnic System           MEDIA         MARCHET ACTION STATE         1 bigmort Mid Goudnic System           MEDIA         MARCHET ACTION STATE         1 bigmort Mid Goudnic System           MEDIA         MARCHET ACTION STATE         1 bigmort Mid Goudnic System           MEDIA         MARCHET ACTION STATE         1 bigmort Mid Goudnic System           MEDIA         MARCHET ACTION STATE         1 bigmort Mid Goudnic System           MEDIA         MARCHET ACTION STATE         1 bigmort Mid Goudnic System           MEDIA         MARCHET ACTION STATE         1 bigmort Mid Goudnic System           MEDIA         MARCHET ACTION STATE         1 bigmort Mid Goudnic System           MEDIA         MARCHET ACTION STATE         1 bigmort Mid Goudnic System           MEDIA         MARCHET ACTION STATE         1 bigmort Mid Goudnic Sy				
GCDCS         GCD GDTD SEX         Cereint LattLong 9, Degrees, -180         — + 180           GDSY         CD GDTD STS         L         Elipsoco Whird Gondelle System           MNDL         MACD ATA DATE         1         5. James, 2012           MNDD         MACD DATA SQUICTE         2         Mindurff Mindurff           LI GR DUP         1         Lattled Inspiration         1           LI GR DUP         5         223 20026-00           API         API MINDER         7         7           TOWN         TOWNSHIP         7         7           SECT         SECTON         1         1           SECT         SECTON         1         1           SECT         SECTON         1         1           LLF         LOCATON         1         1           LLF         LOCATON         1         1           LLF         LOTON         1         16           LOF         POSS SOPHECTON         1         10           LATTUDE         299         148 58           LATTUDE         290         148 58           LATTUDE         290         148 58           LATTUDE         290         290 <td></td> <td></td> <td></td> <td></td>				
GGSV         GFO GREPERDE         LIBIDISTANT           GBEF         GEO REFERENCE         Ellipsoid World Gooderic System           MMDL         MAG DATA DOUBLE         SpanZOFT daz           MMDL         MAG DATA SQUIRCE         Libidate           LIGH         LIGHOUP         Canadate         Windeput           LIGH         UNDUS WELL IDENTRIER         90-222-20028-00           API         AIR HUMBER         70-222-20028-00           IOW         TOWN         10-222-20028-00           RECT         STICTION         15-22-20028-00           RECT         STICTION         15-22-20028-00           RANG         RANGE         15-22-20028-00           RECT         STICTION         15-22-20028-00           RECT         STICTION         15-22-20028-00           RECT         STICTION         15-22-20028-00           RECT         STICTION         15-22-20028-00           LICK         LOCATION         15-22-20028-00           LICK         LOUTH         16-22-20028-00           LICK         LOUTH         16-22-20028-00           LICK         LOUTH         16-22-20028-00           LICK         LOUTH         16-22-20028-00           <				
GIFET         GFO BITETRINCE         Ellipsod Wond Goodels System           MIXDD         MAONETIO MODEL         b grand Total           MIXDD         MAO DATA DATE         to 15 aune, 2012           MIXDD         MAO DATA SOURCE         Windepth           LLGR         LLGROUP         Lathod-Longhade           UNID         UNIDUI WILL IDENTIFIER         50 5278-70078-003           API         AIR NUMBER         50 5278-70078-003           CONN         TOWNSHIP         7N           SECT         SCITION         5           RANG         RANGE         1 EE           LOC         LOCATION         2 PIII FLO           LOT         LOTAL MEASURED FROM         2 PIII FLO           LOT         LOTAL MEASURED FROM         4 PIII FLO           LOT         LOTAL MEASURED FROM         6 PIII FLO           LOTAL TY TUSS CORRECT         6 PIII FLO         6 PIII FLO           LOTAL TY TUSS CORRECT         6 PIII FLO         6 PIII FLO           WELL FLAD DW         7 PIII FLO         6 PI				
MMDL         MAG DATA DOUBLE         biggine 11 dat           MIS         MAG DATA SOURCE         1         Vin MagUTW           LLGR         L LOROUR         1         SUMMERT MARCHANDER           UWI         UNIOU EVELL DENTIFIER         1         50 922 90026-00           API         API NUMBER         1         50 922 90026-00           TOWN         TOWNSHIP         7         TOWNSHIP           TOWN         TOWNSHIP         7         TE           PANG         RANGE         1         HE           LOC         LOCATION         1         HE           LOC         LOCATION         9         9           LOC         LOCATION         1         HE           LOC         LOCATION         1         169         99           LOT         LOCATION         1         168         99           LOT         TURS         TORS CORRECTION         1         168           VID         TURY         1         10         1           VID         TURY         1         10         1           VID         TURY         1         1         1           VID         TURY				
MMDD         MAG DATA DATE         15 June. 2012           MMS         MAG DATA SOLICE         UM Magulf M           LLGR         LLGRUP         Latisubal Langitude           UWI         UNDOLE WELL DENTIFIER         50-223-20028-00           API NUMBER         50-223-20028-00           API NUMBER         50-233-20028-00           API NUMBER         50-23-20028-00           API NUMBER         14E           LOC         LOCATION         14E           LUC         LOCATION         14E           LOTA         LOCATION         14E           LOTA         LOTATION         14B         16B           LOTA         LOTATION         14B         16B           CONTROLL         14B         16B         16B           SED         STANCEPEN         1         0           VINIA         11M				
MSS         MAG DATA SOURCE         Win MagUTM           LLGR         LLGROUP         Initiatula (anglude)           UWI         UNIQUE WELL IDENTIFIER         50 223 20020 00           API         API NAMBER         50 223 20020 00           TOWN         TOWNSHIP         7N           SECT         SECTION         14E           LOC         LOCATION				
LLGR         LLGROUP         Latitude-Longitude           UWI         UNIQUIE WELL IDENTIFIER         50-222-20028-00           API         API NUMBER         50-222-20028-00           TOWN         TOWNSHIP         7N           SECT         SECTORON         5           RANG         ARNGE         14E           LOC         LOCATION         WELL           LMF         LOS MEASURED FROM         509           LATTUDE         409         90-90           LONG         LONGTUDE         409           LONG         LONGTUDE         409           LONG         LONGTUDE         409           COL         GROUND ELEVATION         5           MED         400         488           VELLERADIS         6         0           WELWER         WELLHEAD S         6         0           WELWER         WELLHEAD S         6         0           UMM         UM Y         605872-5         0           UMM         UM Y         605872-5         0           UMM         UM Y         605872-5         0           DEPL         DISTANCE FSL         6         622-2				
UMI         UNQUE WELL IDENTIFIER         60-229-20028-00           API         API NAMBER         50-229-20028-00           TOWN         TOWNSHIP         78           SECT         SECTION         1         76           RANG         RANGE         1         4E           LOC         LOCATION         DRIFFORM         DRIFFORM           LATT LOE         deg         60-99           LATT LOE         deg         -148 68           LON         CONDITION         1         180 (4)           TVDS         TVDSS CORRECTN         1         180 (4)           EG         GROUND ELEVATION         1         10-2           WIND         WELL HEAD INS         1         0           WELL HEAD INS         1         0         0           WELL HEAD INS         1         0         0           W	MDS	MAG DATA SOURCE		Win MagUTM
API         API NUMBER         50-233-20028-00           TOWN         TOWNSHIP         7N           SECT         SECTION         1           SECT         SECTION         1           RANG         14E           LOC         LOCATION         DIMITION           LIMF         LOS MEASURED FROM         DIMITION           LOTTIUDE         deg         68-96           LONG         LONGITUDE         deg         -148-88           TVDS         TVDSS CORRECTION         1         168-7           EGL         GROUND ELEVATION         1         163-7           WIDS         WELL HEAD NS         1         0           WINS         WELL HEAD NS         1         0           WINS         WELL HEAD NS         1         0           WINS         WILL HEAD NS         1         0           WINS         WELL HEAD NS         1         0           UITM         UTM         1         0         0	LLGR	LLGROUP		Latitude/Longitude
TOWN         TOWNSHIP         TN           SECTON         1         5           RANG         RANGE         14E           LOC         LOCATION         1           LIME         LOG MEASURED FROM         DIIII Floor           LATI         LATTUDE         deg.         69.99           LATI         LATTUDE         deg.         69.99           LONG         LONGTUDE         deg.         -148.68           FD         TOSS CORRECTN         ft         188           FD         GROUND ELEVATION         ft         188           EGL         GROUND ELEVATION         ft         0           WINNS         WELL HEAD EXW         ft         0           WHINS         WELL HEAD EXW         ft         0           WITMY         UTM X         ft         56972.5           UTMY         UTM Y         ft         56972.5           DPSL         DISTANCE FWI         ft         662           DPSL         DISTANCE FWI         ft         16           DPSL         DETH ABOVE PD         ft         16           NED         LEWATON         ft         10812           VSDR <t< td=""><td>UWI</td><td>UNIQUE WELL IDENTIFIER</td><td></td><td>50-223-20026-00</td></t<>	UWI	UNIQUE WELL IDENTIFIER		50-223-20026-00
SECT OR         SECTION         14E           RANG         RANGE         14E           LOC         LOCATON         10D           LIMF         LOG MEASURED FROM         50D           LATTIODE         68g         80.99           LONG         LONGITUDE         68g         148.88           TVDS         TVDSS CORRECTN         11         103.7           EGL         GROUND ELEVATION         11         0           WDMS         WELEV         11         0           WHONS         WELL HEAD INS         11         0           WHEW         WELL HEAD EW         11         0           WHEW         WELL HEAD EW         11         0           WHEW         WELL HEAD EW         11         652           UTIMY         UTM Y         1         652           UTIMY         UTM Y         1         652           DEN         DISTANCE FWIL         1         1           EPD         LEVATION         1         1         1           SDEP         START DEPTH         1         1012         1           TDD         TOTAL DEPTH (DELLET)         1         10012         1 <td>API</td> <td>API NUMBER</td> <td></td> <td>50-223-20026-00</td>	API	API NUMBER		50-223-20026-00
RANG         RANGE         Infector           LOC         LOCATION         Infector           LUMF         LOG MEASURED FROM         Infector           LATI         LATTUDE         deg         69.99           LONG         LONGTUDE         deg         -14.68           TUDS         TUDSS CORRECTN         ft         186           EGL         GROUND ELEVTON         ft         0           WINS         WELEVAN         ft         0           WINS         WELL HEAD INS         ft         0           WITM         WITM         ft         0           WITM         UTM X         ft         0           UTMX         UTM X         ft         0           UTMY         UTM Y         ft         0           UTMY         UTM Y         ft         0           DEVILL         DISTANCE FNI         ft         0           EPD         ELEVATION         ft         10           DETHI ABOVE PD         ft         10         10           DETHI ABOVE PD         ft         10         10           MED         VERT SEC DIRECT         ft         10           MED	TOWN	TOWNSHIP		7N
LOC         LOCATION         M         DIIII Filoor           LMF         LOG MEASURED FRIOM         deg         69.99           LONG         LONGITUDE         deg         -148.88           LONG         LONGITUDE         deg         -148.88           TVDS         TVDSS COPRECTO         ft         188.           EGL         GROUND ELEVATION         ft         163.7           WDMS         WD ELEV         ft         0           WHEW         WELL HEAD INS         ft         0           WHEW         WELL HEAD EW         ft         0           WHEW         WILL HEAD EW         ft         665872.5           UTIMY         UTM         ft         665872.5           UTIMY         UTM         ft         6247838.5           DFWL         DISTANCE FWL         ft         6242           DFWL         DISTANCE FSL         ft         6242           EPD         ELEVATION         ft         18         62           PD         DEPTH ABOVE PD         ft         102           SDEP         START DEPTH         ft         102           WED         MAGNETIC PIELD         ft         108 <td>SECT</td> <td>SECTION</td> <td></td> <td>5</td>	SECT	SECTION		5
LMF         LATITUDE         deg         081RIDOR           LONG         LONGITUDE         deg         6148.68           TVDS         TVDSS CORRECTN         ft         168.68           TVDS         TVDSS CORRECTN         ft         187.7           WDMS         GROUND ELEVATION         ft         0           WINNS         WELL HEAD NS         ft         0           WHINS         WELL HEAD EW         ft         0           UTMX         UTM X         ft         685.72.5           UTMY         UTM Y         ft         685.72.5           UFL         DISTANCE FWL         ft         86.2           DFSL         DISTANCE FSL         ft         24.2           DFSL         DISTANCE FSL         ft         9.2           BED         ELEVATION         ft         18.6           APD         DESTH ABOVE PD         ft         18.2           SDEP         START DEPTH (DRILLER)         ft         18.2           VSDR         VASPET SCORIFECT         dp         20.3           MED         MAGNETIC DIP         dp         18.2           MED         MAGNETIC DIE         dp         20.7      <	RANG	RANGE		14E
LMF         LATITUDE         deg         081RIDOR           LONG         LONGITUDE         deg         6148.68           TVDS         TVDSS CORRECTN         ft         168.68           TVDS         TVDSS CORRECTN         ft         187.7           WDMS         GROUND ELEVATION         ft         0           WINNS         WELL HEAD NS         ft         0           WHINS         WELL HEAD EW         ft         0           UTMX         UTM X         ft         685.72.5           UTMY         UTM Y         ft         685.72.5           UFL         DISTANCE FWL         ft         86.2           DFSL         DISTANCE FSL         ft         24.2           DFSL         DISTANCE FSL         ft         9.2           BED         ELEVATION         ft         18.6           APD         DESTH ABOVE PD         ft         18.2           SDEP         START DEPTH (DRILLER)         ft         18.2           VSDR         VASPET SCORIFECT         dp         20.3           MED         MAGNETIC DIP         dp         18.2           MED         MAGNETIC DIE         dp         20.7      <	LOC	LOCATION		
LATI         LATITUDE         deg         99.99           LONG         LONGITUDE         deg         148.68           TVDS         TVDSS CORRECTN         ft         166           EGL         GROUND ELEVATION         ft         0           WINDS         WELL HEAD RIS         ft         0           WHYNS         WELL HEAD EW         ft         0           WINDW         WELL HEAD EW         ft         68567.5           UTMX         UTMX         ft         68567.5           UTMY         UTM Y         ft         6852           DEPUL         DISTANCE FNL         ft         682           DFSL         DISTANCE FNL         ft         682           DFSL         DISTANCE FNL         ft         18           DFSL         DISTANCE FNL         ft         10           DFSL         DISTANCE FNL         ft         104           DFSL         DISTANCE FNL         ft         1081           DFSL				Drill Floor
LONG         LONG TUDE         deg         148.68           TVDS         TVDSS CORRECTN         ft         186           EGL         GROUND ELEVATION         ft         163.7           WOMS         WDELEV         ft         0           WHEN         WELL HEAD NIS         ft         0           WHEW         WELL HEAD EW         ft         0           UTMX         UTMX         ft         6647.25           UTMY         UTM Y         ft         652           DEWL         DISTANCE FNL         ft         262           PEL         DISTANCE FSL         ft         0           PESL         DISTANCE FSL         ft         0           PED         ELEVATION         ft         0           APD         DEPTH ABOVE PD         ft         186           SDEP         START DEPTH (DRILLER)         ft         102           TDD         TOTAL DEPTH (DRILLER)         ft         102           WED         AMGNETIC DEPTH (DRILLER)         ft         102           WIFE         SCOINCE (STANCE)         deg         20.82           WIFE         SCOINCE (STANCE)         deg         20.82			dea	
TVDS         TVDS CORRECTN         ft         186           EGL         GROUND ELEVATION         ft         0           WHMS         WE LL PEAD NS         ft         0           WHEW         WELL HEAD EW         ft         0           WHTW         UTM X         ft         0 656672.5           UTMY         UTM Y         ft         847838.5           DFPUL         DISTANCE FUL         ft         2642           DFPUL         DISTANCE FSL         ft         2642           EPD         ELEVATION         ft         186           APD         DEPTH ABOVE PD         ft         186           SDEP         START DEPTH         ft         102           TD         TOTAL DEPTH (PRILLER)         ft         102           VBOR         VERT SEG DIRECT         deg         208.39           MFLD         MAGNETIC FIELD         nT         57831           MIDIP         MAGNETIC FIELD         nT         57861           MDEC         MAGNETIC DEP         deg         20.82           GPAINT YFIELD         g         1         1           MDEC         MAGNETIC DECL         deg         20.87 <t< td=""><td></td><td></td><td></td><td></td></t<>				
EGL         GROUND ELEVATION         ft         163.7           WOMS         WD ELEV         ft         0           WHNS         WELL HEAD NS         ft         0           WHEW         WELL HEAD EW         ft         0           UTMX         UTM X         des672.5           UTMY         UTM Y         ft         8547838.5           DFWL         DISTANCE FWL         ft         652           DFSL         DISTANCE FSL         ft         0           EPD         ELEVATION         ft         0           APD         DEPTH ABOVE PD         ft         186           SDEP         START DEPTH (PILLER)         ft         102           VSDR         VERT SEC DIRECT         ft         10912           VSDR         VERT SEC DIRECT         deg         208.39           MFLD         MAGNETIC FIELD         df         10912           WFD         MAGNETIC FIELD         dg         80.82           GVFD         GRAVITY FIELD         dg         80.82           GVFD         MAGNETIC DIP         dg         124           ALT         ALT         124         124           ALT         A				
WDMS         WD ELEV         ft         0           WHNS         WELL HEAD NS         ft         0           WHEW         WELL HEAD EW         ft         0           UTMX         UTM X         ft         685672.5           UTMY         UTM Y         ft         587838.5           DFWL         DISTANCE FWL         ft         852           DFSL         DISTANCE FSL         ft         2542           EPD         ELEVATION         ft         0           APD         DEPTH ABOVE PD         ft         166           APD         DEPTH ABOVE PD         ft         102           SDEP         START DEPTH         ft         102           TOD         TOTAL DEPTH (DRILLER)         ft         10812           VSDR         VERT SEC DIRECT         deg         20.89           MFLD         MAGNETIC FIELD         nT         57631           MFLD         MAGNETIC FIELD         nT         57631           MDEC         MAGNETIC DECL         deg         20.87           MDEC         MAGNETIC DECL         deg         20.87           MDEC         MAGNETIC DECL         deg         20.87				
WHNS         WELL HEAD N/S         ft         0           WHEW         WELL HEAD EAW         ft         0           UTMX         UTM X         ft         665672.5           UTMY         UTM Y         ft         5847838.5           DEVAL         DISTANCE FWL         ft         522           DEVAL         DISTANCE FWL         ft         2542           EPD         ELEVATION         ft         0           APD         DEPTH ABOVE PO         ft         186           SDEP         START DEPTH         ft         102           TDD         TOTAL DEPTH (DRILLER)         ft         10812           VSDR         VERT SEC DIRECT         deg         20.89           MDIP         MAGNETIC FIELD         nT         57631           MDIP         MAGNETIC FIELD         g         1           MIP         MAGNETIC DEPCL         g         20.87           GRID CORRECTION         deg         20.87           MIDE         MAGNETIC DEPCL         deg         20.87           GRID CORRECTION         deg         20.87           MIDE         MED         40         2.23           MIDE         AIR GAP				
WHEW         WELL HEAD EW         ft         0           UTMX         UTMX         CAME         658-72-5           UTMY         UTM Y         5847838.5         5847838.5           DFWL         DISTANCE FWL         ft         652           DFSL         DISTANCE FSL         ft         2542           EPD         ELEVATION         ft         0           APD         DEPTH ABOVE PD         ft         166           SDEP         START DEPTH         ft         102           TDD         TOTAL DEPTH (DRILLER)         ft         10812           VERT SEC DIRECT         ft         10812           VSDR         VERT SEC DIRECT         ft         10812           WFD         AGARTIC DIP         ft         10812           MIDIP         MAGNETIC DIP         deg         20.83           MDEC         MAGNETIC DECL         deg         20.87           MDEC         AGARTIC DECL         deg         20.87           MDEC         AGARTIC DECL         deg         20.87           MDE         AGARTIC DECL         deg         20.87           AGAR         AIR GAP         21.24           AGAR				
UTMX         UTM Y         CHM Y         665672.5           UTMY         UTM Y         tt         5847838.5           DFSH         DISTANCE FWL         tt         652           DFSL         DISTANCE FSL         tt         254           EPD         ELEVATION         tt         0           APD         DEPTH ABOVE PD         tt         186           SDEP         START DEPTH         tt         102           TDD         TOTAL DEPTH (DRILLER)         tt         10812           VSDR         VERT SEC DIRECT         dt         10812           VSDR         VERT SEC DIRECT         dg         20.89           MELD         MAGNETIC DIP         dg         30.82           WFD         GRAVITY FIELD         g         1           MDEC         MAGNETIC DECL         g         124           GRDC         ARIST COPER         deg         20.87           GRDC         ARIST COPER         t         21           AZTC         AZM TOTAL CORR         dg         20.87           AGAP         AIR GAP         t         21           AGAP         AIR GAP         2         23           AGAP<				
UTMY         UTM Y         \$847838.5           DFWL         DISTANCE FWL         ft         652           DFSL         DISTANCE FSL         ft         2642           EPD         ELEVATION         ft         0           APD         DEPTH ABOVE PD         ft         186           SDEP         START DEPTH         ft         1002           TDD         TOTAL DEPTH (PRILLER)         ft         10012           VSDR         VERT SEC DIRECT         deg         208.39           MFLD         MAGNETIC FIELD         nT         57631           MDIP         MAGNETIC DIP         deg         80.22           QFD         GRAVITY FIELD         deg         80.2           MDEC         MAGNETIC DECL         deg         20.87           GRDC         GRID CORRECTION         deg         1.24           AZTC         AZM TOTAL CORR         deg         2.87           MMDE         MAGUTM CALC DEP         ft         2.1           AGAP         AIR GAP         ft         2.3           RCST         RIG GOST         s/da         1           ERB         KE ELEVATION         ft         186	WHEW			
DFML         DISTANCE FWL         ft         652           DFSL         DISTANCE FSL         ft         2542           EPD         ELEVATION         ft         0           APD         DEPTH ABOVE PD         ft         186           SDEP         START DEPTH         ft         102           TDD         TOTAL DEPTH (DRILLER)         ft         10812           VSDR         VERT SEC DIRECT         deg         208.39           MFLD         MAGNETIC FIELD         nT         57631           MDIP         MAGNETIC DIP         deg         80.82           GVFD         GRAVITY FIELD         deg         20.87           MDEC         MAGNETIC DECL         deg         20.87           MDEC         MAGNETIC DECL         deg         20.87           MDEC         MAGNETIC DECL         deg         20.87           MDEC         AGAIT CALC ORR         deg         20.87           AZTC         AZM TOTAL CORR         deg         20.87           AGAP         AIR GAP         ft         -21           AGAP         AIR GAP         ft         -21           ACST         BLEVATION         ft         -22 </td <td>UTMX</td> <td></td> <td>ft</td> <td></td>	UTMX		ft	
DFSL         DISTANCE FSL         ft         2542           EPO         ELEVATION         ft         0           APD         DEPTH ABOVE PD         ft         186           SDEP         START DEPTH         ft         102           TDD         TOTAL DEPTH (DRILLER)         ft         10812           VSDR         VERT SEC DIRECT         deg         208.39           MFLD         MAGNETIC FIELD         nT         57631           MDIP         MAGNETIC DEP         deg         80.82           GVFD         GRAVITY FIELD         g         1           MDEC         MAGNETIC DECL         deg         20.87           GRDC         GRID CORRECTION         deg         20.87           MMDE         MAGUTM CALC DEP         ft         21           AGAP         AIR GAP         r         22.3           MMDE         MAGUTM CALC DEP         ft         22.3           EKB         KB ELEVATION         ft         0           EKB         KB ELEVATION         ft         166           VS TO CLOSURE         ft         167           WTYP         WELL TYPE         0           NORTH REFERENCE	UTMY	UTM Y	ft	5847838.5
EPD         ELEVATION         ft         0           APD         DEPTH ABOVE PD         ft         186           SDEP         START DEPTH         ft         102           TDD         TOTAL DEPTH (DRILLER)         ft         10812           VSDR         VERT SEC DIRECT         deg         208.39           MFLD         MAGNETIC FIELD         nT         57631           MDIP         MAGNETIC DIP         deg         80.82           GVFD         GRAVITY FIELD         g         20.87           MDEC         MAGNETIC DECL         deg         20.87           GRDC         GRID CORRECTION         deg         20.87           AZTC         AZM TOTAL CORR         deg         20.87           MMDE         MAGUTM CALC DEP         ft         -21           MCSA         AIR GAP         1         -22.3           RCST         RIG GOST         \$/da         1           EKB         KB ELEVATION         ft         0           VSC         VS TO CLOSURE         6         0           WTYP         WELL TYPE         0         0           NREF         NORTH REFERENCE         6         0	DFWL	DISTANCE FWL	ft	652
APD         DEPTH ABOVE PD         ft         186           SDEP         START DEPTH         ft         102           TDD         TOTAL DEPTH (DRILLER)         ft         10812           VSDR         VERT SEC DIRECT         de         208.39           MFLD         MAGNETIC FIELD         nT         57631           MDIP         MAGNETIC DIP         deg         80.82           GVFD         GRAVITY FIELD         g         1           MEDC         MAGNETIC DECL         g         20.87           GRDC         GRID CORRECTION         deg         20.87           AZTC         AZM TOTAL CORR         deg         20.87           MMDE         MAGUTM CALC DEP         ft         -21           AGAP         AIR GAP         t         -21           AGAP         AIR GAP         t         2.23           RCST         IS (G COST         \$/da         1           EKB         KB ELEVATION         ft         1.86           VSC         VS TO CLOSURE         t         0           VYTYP         WELL TYPE         NORTH REFERENCE         0         0           NREF         NORTH REFERENCE         0	DFSL	DISTANCE FSL	ft	2542
SDEP         START DEPTH         ft         102           TDD         TOTAL DEPTH (DRILLER)         ft         10812           VSDR         VERT SEC DIRECT         deg         208.39           MFLD         MAGNETIC FIELD         nT         57631           MDP         MAGNETIC DIP         deg         80.82           GVFD         GRAVITY FIELD         g         1           MDEC         MAGNETIC DECL         deg         20.87           GRDC         GRID CORRECTION         deg         1.24           AZTC         AZM TOTAL CORR         deg         20.87           MMDE         MAGUTM CALC DEP         ft         21           AGAP         AIR GAP         ft         22.3           RCST         RIG COST         \$/da         1           EKB         KB ELEVATION         ft         0           VSC         VS TO CLOSURE         0           WTYP         WELL TYPE         0           NORTH REFERENCE         1         0           HDTY         HOLE POS TYPE         0	EPD	ELEVATION	ft	0
SDEP         START DEPTH         ft         102           TDD         TOTAL DEPTH (DRILLER)         ft         10812           VSDR         VERT SEC DIRECT         deg         208.39           MFLD         MAGNETIC FIELD         nT         57631           MDP         MAGNETIC DIP         deg         80.82           GVFD         GRAVITY FIELD         g         1           MDEC         MAGNETIC DECL         deg         20.87           GRDC         GRID CORRECTION         deg         1.24           AZTC         AZM TOTAL CORR         deg         20.87           MMDE         MAGUTM CALC DEP         ft         21           AGAP         AIR GAP         ft         22.3           RCST         RIG COST         \$/da         1           EKB         KB ELEVATION         ft         0           VSC         VS TO CLOSURE         0           WTYP         WELL TYPE         0           NORTH REFERENCE         1         0           HDTY         HOLE POS TYPE         0	APD	DEPTH ABOVE PD	ft	186
TDD         TOTAL DEPTH (DRILLER)         ft         10812           VSDR         VERT SEC DIRECT         deg         208.39           MFLD         MAGNETIC FIELD         nT         57631           MDP         MAGNETIC DIP         deg         80.82           GVFD         GRAVITY FIELD         g         1           MDEC         MAGNETIC DECL         deg         20.87           GRDC         GRID CORRECTION         deg         1.24           AZTC         AZM TOTAL CORR         deg         20.87           MMDE         MAGUTIM CALC DEP         ft         2.1           AGAP         AIR GAP         ft         22.3           RCST         RIG COST         \$/da         1           EKB         KB ELEVATION         ft         0           VSC         VS TO CLOSURE         0           VYP         WELL TYPE         0           NORTH REFERENCE         1         1           HPTY         HOLE POS TYPE         0         0	SDEP		ft	102
VSDR         VERT SEC DIRECT         deg         208.39           MFLD         MAGNETIC FIELD         nT         57631           MDP         MAGNETIC DIP         deg         80.82           GVFD         GRAVITY FIELD         g         1           MDEC         MAGNETIC DECL         deg         20.87           MDEC         MAGNETIC DECL         deg         1.24           AZTC         AZM TOTAL CORR         deg         1.24           AZTC         AZM TOTAL CORR         deg         20.87           MMDE         MAGUITM CALC DEP         ft         21           AGAP         AIR GAP         ft         2.3           RCST         RIG COST         \$/da         1           EKB         KB ELEVATION         ft         0           VSC         VS TO CLOSURE         0         0           WTYP         WELL TYPE         0         0           NORTH REFERENCE         1         1           NORTH REFERENCE         0         0				
MFLD         MAGNETIC FIELD         nT         57631           MDIP         MAGNETIC DIP         deg         80.82           GVFD         GRAVITY FIELD         g         1           MDEC         MAGNETIC DECL         deg         20.87           GRDC         GRID CORRECTION         deg         1.24           AZTC         AZM TOTAL CORR         deg         20.87           MMDE         MAGUTM CALC DEP         ft         -21           AGAP         AIR GAP         ft         22.3           RCST         RIG COST         %/da         1           EKB         KB ELEVATION         ft         0           EDF         DF ELEVATION         ft         186           VSC         VS TO CLOSURE         0         0           WTYP         WELL TYPE         0         0           NREF         NORTH REFERENCE         1         1           HPTY         HOLE POS TYPE         0         0				
MDIP         MAGNETIC DIP         deg         80.82           GVFD         GRAVITY FIELD         g         1           MDEC         MAGNETIC DECL         deg         20.87           GRDC         GRID CORRECTION         deg         1.24           AZTC         AZM TOTAL CORR         deg         20.87           MMDE         MAGUTM CALC DEP         ft         21           AGAP         AIR GAP         ft         22.3           RCST         RIG COST         \$/da         1           EKB         KB ELEVATION         ft         0           EDF         DF ELEVATION         ft         186           VSC         VS TO CLOSURE         0           WTYP         WELL TYPE         0           NORTH REFERENCE         1         1           HPTY         HOLE POS TYPE         0				
GVFD         GRAVITY FIELD         g         1           MDEC         MAGNETIC DECL         deg         20.87           GRDC         GRID CORRECTION         deg         1.24           AZTC         AZM TOTAL CORR         deg         20.87           MMDE         MAGUTM CALC DEP         ft         -21           AGAP         AIR GAP         kill GOST         S/da         1           EKB         KB ELEVATION         ft         0           EDF         DF ELEVATION         ft         186           VSC         VS TO CLOSURE         0         0           WTYP         WELL TYPE         0         0           NREF         NORTH REFERENCE         1         1           HPTY         HOLE POS TYPE         0         0				
MDEC         MAGNETIC DECL         deg         20.87           GRDC         GRID CORRECTION         deg         1.24           AZTC         AZM TOTAL CORR         deg         20.87           MMDE         MAGUTM CALC DEP         ft         -21           AGAP         AIR GAP         ft         22.3           RCST         RIG COST         \$/da         1           EKB         KB ELEVATION         ft         0           EDF         DF ELEVATION         ft         186           VSC         VS TO CLOSURE         0           WTYP         WELL TYPE         0           NREF         NORTH REFERENCE         1           HPTY         HOLE POS TYPE         0				1
GRDC         GRID CORRECTION         deg         1.24           AZTC         AZM TOTAL CORR         deg         20.87           MMDE         MAGUTM CALC DEP         ft         -21           AGAP         AIR GAP         ft         22.3           RCST         RIG COST         \$/da         1           EKB         KB ELEVATION         ft         0           EDF         DF ELEVATION         ft         186           VSC         VS TO CLOSURE         0         0           WTYP         WELL TYPE         0         0           NREF         NORTH REFERENCE         1         1           HPTY         HOLE POS TYPE         0         0				00.07
AZTC         AZM TOTAL CORR         deg         20.87           MMDE         MAGUTM CALC DEP         ft         -21           AGAP         AIR GAP         ft         22.3           RCST         RIG COST         \$/da         1           EKB         KB ELEVATION         ft         0           EDF         DF ELEVATION         ft         186           VSC         VS TO CLOSURE         0           WTYP         WELL TYPE         0           NREF         NORTH REFERENCE         1           HDLE POS TYPE         0				
MMDEMAGUTM CALC DEPft-21AGAPAIR GAPft22.3RCSTRIG COST\$/da1EKBKB ELEVATIONft0EDFDF ELEVATIONft186VSCVS TO CLOSURE0WTYPWELL TYPE0NORTH REFERENCE11HOLE POS TYPE0	GRDC			
AGAP AIR GAP ft 22.3 RCST RIG COST S/da 1 EKB KB ELEVATION ft 0 EDF DF ELEVATION ft 186 VSC VS TO CLOSURE 0 WTYP WELL TYPE NORTH REFERENCE 1 HOLE POS TYPE 1 HOLE POS TYPE 5  KB Q2.3  1  1  1  1  1  1  1  1  1  1  1  1  1	AZTC		deg	
RCST RIG COST \$/da 1 EKB KB ELEVATION ft 0 EDF DF ELEVATION ft 186 VSC VS TO CLOSURE 0 WTYP WELL TYPE 0 NORTH REFERENCE	MMDE	MAGUTM CALC DEP	ft	-21
EKBKB ELEVATIONft0EDFDF ELEVATIONft186VSCVS TO CLOSURE0WTYPWELL TYPE0NREFNORTH REFERENCE1HPTYHOLE POS TYPE0	AGAP	AIR GAP	ft	22.3
EDF DF ELEVATION ft 186 VSC VS TO CLOSURE 0 WTYP WELL TYPE 0 NORTH REFERENCE 1 HDTY HOLE POS TYPE 0  tt 186  t	RCST	RIG COST	\$/da	1
EDF DF ELEVATION ft 186 VSC VS TO CLOSURE 0 WTYP WELL TYPE 0 NORTH REFERENCE 1 HDTY HOLE POS TYPE 0  The state of the stat	EKB	KB ELEVATION	ft	0
VSC VS TO CLOSURE 0 WTYP WELL TYPE 0 NORTH REFERENCE 1 HPTY HOLE POS TYPE 0	EDF		ft	
WTYP WELL TYPE 0 NREF NORTH REFERENCE 1 HPTY HOLE POS TYPE 0				
NREF NORTH REFERENCE 1 HPTY HOLE POS TYPE 0				
HPTY HOLE POS TYPE 0				1
MAGUTM CHECKSUM 2279127				
	MAGU	MAGUTM CHECKSUM		22/912/

## LAS curves

